

# Strategic Guide to Moving Windows Workloads to the Cloud

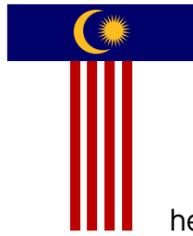
How to ensure speed and cost-effectiveness.



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# The State of Cloud Computing in Malaysia



The land of rich tradition and culture and mesmerizing beauty, Malaysia, today, is at the cusp of digital change. It is building a strong foundation and is leaning on new and emerging technologies to become a truly digital nation. In its endeavor to realize the dream of Digital Malaysia, the Malaysian government is accelerating the push for digital transformation.

That's why, as the first step to digital change, Malaysian organizations, large and small, are embarking on a journey to the cloud. According to MIA-ACCA Business Outlook Report 2020, 57% of Malaysian organizations are investing in cloud computing to enable digital transformation in 2020 and beyond.

Apart from achieving the Digital Malaysia goal and enabling digital transformation, Malaysian organizations are also turning to the cloud to reduce costs, increase scalability, data security, and achieving faster time-to-market to enhance their competitive edge.



## 7 Benefits of Moving to the Cloud



**Reduce Costs**



**Increase Scalability**



**Enhance Agility**



**Ensure Data Security**



**Enable Faster Time-to-market**



**Optimize Processes**



**Gain a Competitive Edge**

# Modernize Windows Workloads with the Cloud



## Pushing for Digital Transformation

Today, organizations are striving for digital transformation. This is because of the increased pressure on organizations brought about by rising customer demands and expectations that require businesses to ensure faster time-to market, faster decision-making, the ability to innovate quickly, and save costs. Moving mission-critical workloads to the cloud is the first step to enabling digital change.



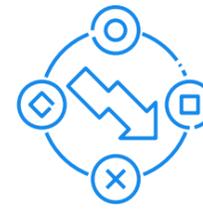
## App Modernization

Organizations are also realizing how legacy apps are draining time, resources, and costs that can be saved through application modernization. This entails leveraging a microservices architecture, containerizing Windows-based apps, going serverless, and the ability to take advantage of open source technologies to accelerate innovation and save costs.



## Greater Cost Control

By converting capital expenditure into opex cost, cloud computing not only lowers barriers to technology adoption, it also strengthens cost visibility, and cost predictability, enabling improved cash flow management.



## Lower Dependence on Niche Skills

Cloud computing and managed services abstract a significant amount of technology complexity, enabling enterprises to adopt digital transformation without the need for a variety of specialised technology skills, which are expensive, and hard to hire.

## The Curve of Adoption

US **\$3.7** Billion

The amount the cloud computing market in Malaysia is expected to be worth in 2024, growing at a CAGR of 13% from 2020.

Source: MIA-ACCA Business Outlook Report 2020

# Moving Windows Workloads to the AWS Cloud: The Real Value

AWS was the first cloud provider to arrive in the market when it launched Amazon EC2 in 2006. Since then, AWS has had many-firsts to its name. It was the first and only fully managed native-Windows file system available in the cloud with FSx for Windows File Server. It was also the first and only cloud provider to offer production support for Kubernetes on Windows. With Windows on AWS:

- 1 Run the complete Windows Stack on AWS, including .NET applications, Active Directory and SQL Server.
- 2 Enhance existing applications with modern development best practices and the speed, scalability, and cost-efficiency of the cloud by containerizing your Windows workloads on AWS
- 3 Migrate from one data store to another and support big data workloads.
- 4 Use Amazon Elastic Compute Cloud (EC2) and Amazon Elastic Block Store (EBS) to run SQL Server instances for database workloads
- 5 Take advantage of various AWS licensing options, whether you bring your Microsoft licenses with you, run your Windows workloads on Amazon EC2 dedicated instances, or use Microsoft License Mobility through Software Assurance on shared or default tenant Amazon EC2 instances.



## Big Savings

**\$6.59** Million

Average savings an organization can achieve by running their Windows workloads on AWS.

Source: IDC

# By the Numbers: What Windows Workloads on AWS Deliver

AWS has the widest selection of cloud services, including 48 services where comparable options are not available on the next largest cloud provider, including deeper functionality for Windows. With Windows on AWS you get:

442%

Five-year **ROI**

56%

**Lower** five-year cost of operations

31%

Higher **internal customer satisfaction**

32%

Higher **gross productivity**

98%

**Less** unplanned downtime

37%

**Lower IT** infrastructure costs

75%

**More efficient** IT infrastructure team

26%

Higher **developer productivity**

80K

Delivers **80,000** IOPS/instance with consistency

Source: AWS



## Setting New Standards

The latest AWS performance benchmark shows that AWS has up to a **1.75x** performance advantage and up to a **40%** price/performance advantage over the next largest cloud provider.

# Get More with Windows on AWS

There's a sea of cloud providers for IT leaders to partner with. Finding the right one is a complex process. Here is what makes the AWS Cloud stand out.



## Greater Reliability

AWS engineered for reliability. It has 77 Availability Zones across 24 Regions, so that each Region has multiple zones, and Regions are isolated from each other. **Virtually no other cloud provider can say the same.** Even zones have redundancy with up to eight distinct data centers. AWS' design has ensured that it is the **only provider that has never experienced a network event spanning multiple Regions.**



## Superior Security

AWS offers 210 security, compliance, and governance services and key features **which is about 40 more than the next largest cloud provider.** It also supports 89 security standards and compliance certifications including PCI-DSS, HIPAA/HITECH, FedRAMP, GDPR, FIPS 140-2, and NIST 800-171, which is meaningfully **more than any other cloud provider.** For encryption, all AWS services that store customer data offer the ability to encrypt that data. AWS offers encryption across 116 different AWS services **which is 5X more than the next largest cloud provider.**



## Longest Track Record

At 11 years, AWS has the most experience running Windows workloads. The result? **It has twice the Windows workloads than the next leading cloud service provider.** AWS has helped thousands of organizations migrate and modernize Windows workloads on AWS. AWS has translated this expertise into the Migration Acceleration Program (MAP) for Windows, which is recognized by IDC as the most extensive library of cases covering thousands of successful migrations.

## Touching New Heights

2x  
Higher performance

5x  
More services offering encryption

4x  
Growth of enterprise customers

# Accelerate Your Journey to AWS with G-AsiaPacific

With over 7 years of experience as an AWS partner, G-AsiaPacific, today, is an AWS Advanced Consulting Partner. G-AsiaPacific's certified AWS solution architects understand and analyze your needs and customize solutions that best fit your business. Here's why G-AsiaPacific is best positioned to help you move to the AWS Cloud.

## With G-AsiaPacific You Get:

- 1 Depth of Expertise**  
8 AWS Certified Solution Architect Professional  
13 AWS Certified Solution Architect Associate
- 2 A Bespoke Approach**  
Solutions are tailored to your specific needs
- 3 Accelerated Migration**  
Efficient, smooth, improved time-to-value
- 4 Greater Control**  
Visibility and peace of mind with a migration framework that's seen 30+ successful migrations
- 5 Managed Services Capabilities**  
Continued optimization
- 6 Access to Innovation**  
Leverage other technology trends such as IOT and predictive analytics to generate greater value
- 7 Wide Domain Experience**  
Retail, healthcare, supply chain, logistics, public sector

## About G-AsiaPacific

Founded in 2008, G-AsiaPacific leverages its cloud computing technology to provide professional services that are capable of supporting the entire cloud service lifecycle for private and public sector firms in Asia Pacific. The company helps enterprises migrate to the cloud with its enhanced technical and advanced workload capabilities. It has served over 3,000 companies across a diverse range of industries.

# G-AsiaPacific: Trusted by Over 3,000 Organizations

## G-AsiaPacific Windows Workload Expertise

Active Directory

Email: Microsoft Exchange

Database: SQL

ERP: Epicor

HR System: FlexHR

Development: .Net, Xamarin framework

CRM: Microsoft Navision

POS System: Pointsoft

## G-AsiaPacific Provides:

- Consultation
- Infrastructure assessment
- Project Kickoff: Identify project scope and gather technical requirements
- Project implementation and deployment
- Migration (if required)
- Testing and commissioning, UAT training and documentation
- Project handover
- Post-deployment Services: Technical support on infrastructure level/ cloud support for scaling, DR and security, resource monitoring, and cost optimization

## G-AsiaPacific Customers

PADINI  
HOLDINGS BHD



# Strategic Guide to Moving Windows Workloads to the Cloud



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## G-AsiaPacific

G-AsiaPacific has been helping Malaysian organizations migrate, modernize and deploy Windows workloads to the AWS Cloud quickly, cost-effectively, and without constraints to support business growth and profitability. G-AsiaPacific is an AWS Malaysia Advanced Consulting Partner.

[ARRANGE A MEETING](#)



## Windows on AWS

AWS is a proven, reliable, secure cloud for Windows. AWS aims to be the best platform to run Windows workloads and can help organizations optimize costs, scale and innovate.

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